



Mrs. Marita Tilger

Hastings, Nebr.—"During expectancy when I was nauseated, Dr. Pierce's Favorite Prescription proved most beneficial to me. I took only one bottle but found it to have splendid tonic value. Am very glad, indeed, to recommend it."—Mrs. Marita Tilger, 213 Lexington St.

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Bilious Attacks

Are Usually Due to Constipation

When you are constipated, not enough of Nature's lubricating liquid is produced in the bowel to keep the food waste soft and moving. Doctors prescribe Nujol because it acts like this natural lubricant and thus replaces it.

Nujol is a lubricant—not a medicine or laxative—so cannot gripe. Try it today.



Nujol

A LUBRICANT—NOT A LAXATIVE

Let Cuticura Be Your Beauty Doctor

Soap 25c, Ointment 25 and 50c, Talcum 25c.

Gray Hair

is out of fashion; is unnecessary—so you can have abundant hair of the original shade by using Q-Ban Hair Color Restorer.—Safe as water—try it. At all good druggists. To order direct from HESSIG-ELLER, Chicago, Memphis, Tenn.

Had the Laugh on Teacher.

Preliminary to taking the final examination we reviewed the work we had covered during the semester. The teacher called on me to differentiate between "debit" and "credit," and when I was almost through reciting, he said, "Are you reading that?" I said, "Yes, sir, I—". The teacher interposed with, "I thought so. That isn't what I wanted you to do." The class laughed, but I turned the joke on the teacher by completing my sentence with, "I am reading it from memory."—Chicago Journal.

Discovered at Last.

First Professor (in high-powered car)—We've got it at last.

Second Professor—G-got w-what? First Professor—Perpetual motion—I can't stop.—Boston Evening Transcript.

Healthy, Happy Babies

The best way to keep baby in crowing, contented health is Mrs. Winslow's Syrup. This safe, pleasant, effective remedy regulates the bowels and quickly overcomes diarrhoea, colic, flatulency, constipation, and teething troubles.

MRS. WINSLOW'S SYRUP

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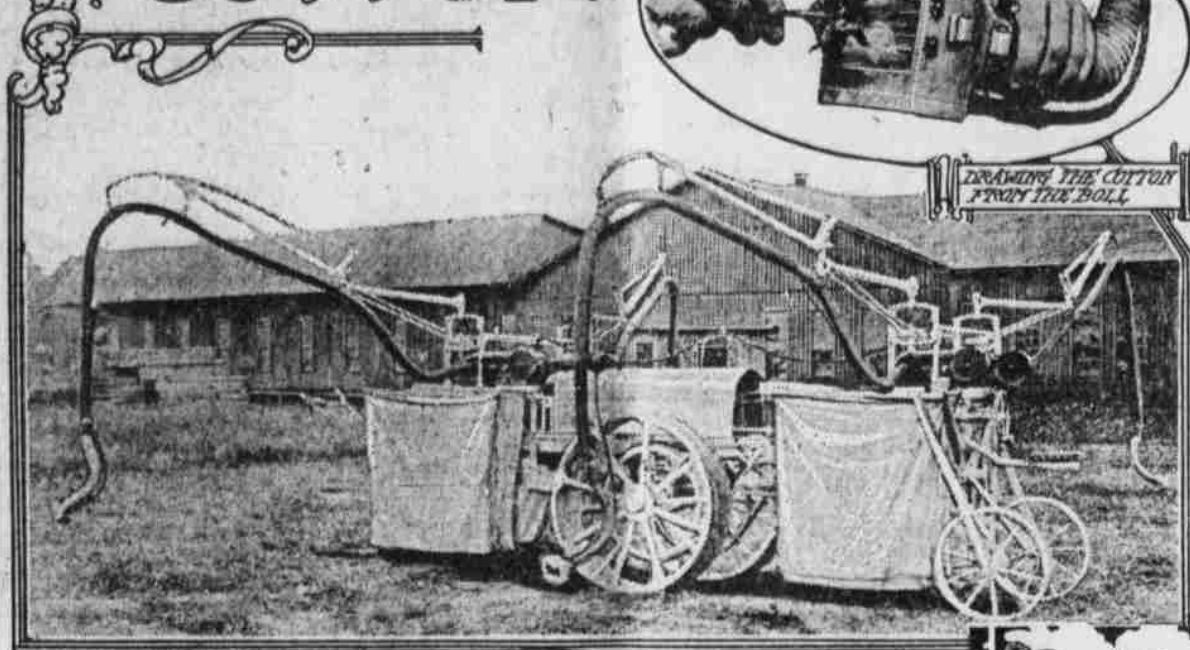
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Don't treat sore, inflamed, smarting eyes with powerful drugs "drop" in by hand.

A soothing, effective, safe remedy is best. 25 cents at all druggists.

MITCHELL EYE SALVE

Electricity Picks Cotton



THE ELECTRIC COTTON PICKER

By ROBERT H. MOULTON

THE steam railroad, the electric car and the motor truck have displaced the horse for long distance hauls. The little individual mill with its small water wheel drive has been succeeded by huge factories whose machinery is driven by electricity generated miles away and transmitted through cables. The harvester, the threshing machine, the mower and the tractor-drawn plow have supplanted, to a very great extent, human labor on the farm. Farming, as it is conducted today, could not be carried on without the aid of machinery.

Yet with all the advance that has been made in labor-saving machinery, one of the world's greatest and important crops—cotton—is still gathered by hand, just as it was 4,000 years ago.

Now, however, comes a cotton picking machine, operated by electricity, which may be destined to revolutionize the business of cotton growing. This machine, according to its promoters, has demonstrated that it will pick cotton four times as fast as it can be picked by hand; that the cotton so gathered contains much less dirt and trash than is the case with hand-picked cotton, thus giving the cotton a higher grade, which commands a correspondingly better price; that it will reduce the amount of seed cotton needed for planting.

This machine, the invention of a Memphis (Tenn.) man, represents 14 years of study and experimentation on the part of the inventor.

It consists of a set of two revolving brushes operated by a flexible shaft and incased in a frame or head, a few inches in diameter; the frame having an opening large enough to admit a cotton boll. The frame or head is attached to a flexible tube two inches in diameter and about twenty feet long, connecting it with the receptacle in which the cotton is deposited by the machine as it is picked. Part way down the tube is a small electric motor which drives the flexible shaft that revolves the brushes. At the opposite end of the tube from the brushes is a combined suction and blower apparatus, driven by another motor. The entire device is suspended on a flexible frame so evenly balanced that a child could swing it in any direction necessary to bring the brushes into contact with the cotton bolls.

Four of these devices are assembled to make up a machine, and the four sets are mounted on a tractor which is driven by a gasoline engine. This engine not only drives the tractor through the field, but runs a generator which supplies electricity for operating the motors. Thus the cotton picking machinery is operated at a speed which is constant and uniform, and quite independent of the movement of the tractor.

Five rows of cotton are covered at each trip, each of the four lines of tube being carried to the individual cotton plants by the employee operating it. The brushes revolve toward each other, and when they are brought into contact with the cotton they gather it up with a comb-like movement. As the cotton is freed from the plant it is drawn into the tube by suction, created by the motor already mentioned and carried along to the container on the tractor. On its way to the container the cotton is subjected to a blowing process which blows out dirt and refuse.

Practical tests conducted on a

plantation near Little Rock, Ark., showed that men who had been picking 100 pounds of cotton a day by the hand method could pick 400 pounds a day by the use of the machine, and this after only a few days' training.

This gain in speed means that the planter is able to gather the cotton as it ripens and before its value has been depreciated by the weather. It is said that but half the cotton crop of the South is now picked before it has been injured in this way.

It also means that the amount of labor for which the planter must now make provision in order to have a sufficient number of hands available to pick the cotton will no longer be necessary. He will not have to provide a means for keeping this labor employed at other times of the year in order to have it on hand during the cotton picking season.

Incidentally, this will pave the way for the more general adoption of the tractor and other farm machinery in the South, which has not hitherto been adopted to the extent that it would have been had there been so many employees available for plowing, planting, and other farm work.

The importance of gathering the cotton as it ripens lies in the fact that picking cotton is not like harvesting wheat or corn, or any other crop which ripens at one time. Cotton picking extends through two months or more, the cotton plant producing three distinct crops. The price received by the grower for his cotton is determined by the grade and the length of its fiber or staple. The grade of cotton is its quality in regard to color, cleanliness and the amount of damage done in ginning.

When the cotton becomes ripe and the boll opens, the color is creamy white, or white with a bright luster. This is the color necessary to make the high grade. When the ripe cotton is left unpicked in the field it steadily decreases in weight and the dews and rain dull its color. When left unpicked through the storms of November and December, the cotton becomes stained yellow or blue from exposure and mildew. Stained cotton grades much lower than that which is picked white, and sells for a much lower price because the fibers are weaker and the cloth made from it will not take dye evenly and appears "blotchy." To secure the highest price cotton must be picked as fast as it ripens, and while it is white, and the electric cotton picker makes it possible for the grower to do this.

In the meantime the cotton-growing South is genuinely scared over the boll weevil scourge.

So serious is the situation that Senator Smith of South Carolina proposed the other day in the senate that it would be a good investment if the government and the states joined in an appropriation of \$1,000,000,000 to

eradicate the pest. The only way this could be done, he said, was to stop planting cotton for a year, when the worm would die for want of nourishment. The appropriation would be employed to pay the farmers for their losses in not planting cotton for the year.

"It is not a local matter," the senator went on to say: "It has become a national menace, and we have to meet it, not with experiments here or rotation of crops there, but with the only method indicated—the cessation of the planting of cotton for one year."

Whether so startling a measure will be adopted or not, it is certain, if general press comment is to be believed, that the country faces a much more serious situation than most people realize. Some remedy must be found soon, if it is to be continued as a cotton-producing nation.

The scourge, in the opinion of many newspapers, is being taken altogether too calmly by the country at large. When it dawns on the people that the price of cotton and all cotton goods is directly affected, they do not believe the country will take it so calmly. Apparently, we are already feeding half our shirts to the boll weevil. Last year it destroyed 79 per cent of the cotton growing in the United States. An Associated Press dispatch from Washington stated that the Department of Agriculture report for 1921 gives the damage of the boll weevil at 6,277,000 bales of cotton. This is an increase of 30 per cent over 1920, and the end is not yet. Reports coming in for this year tend to show a considerable increase over 1921. Last month alone, the damage is estimated at 830,000 bales, and if the rate of destruction keeps on going up, it may soon amount to a million bales a month. Since the production of cotton for 1921 was altogether some 7,954,000 bales, the boll weevil with its consumption of over 6,000,000 bales was even then getting almost as much cotton as we got ourselves. This year, viewing the reported increase of the scourge, it looks to many papers as if we would have to share our cotton crop almost half and half with the weevil. Expressed in money, this may easily run to a billion dollars.

"It is not impossible," says the New York Herald, "that unless an effective agent against the boll weevil is found, the production of cotton in the United States will be completely blotted out."

What sort of an animal is this "billion-dollar bug" as the Baltimore American calls it? "The weevil," says a report of the United States Chamber of Commerce, "is about one-quarter of an inch in length and an eighth of an inch in width, or about the size of a common house-fly. Coming originally to us from a tropical climate, it displays most remarkable adaptations to change of environment."

Many Ills Due To Catarrh

The mucous membranes throughout the body are subject to catarrhal congestion resulting in many serious complications.

PE-RU-NA

Well Known and Reliable

Coughs, colds, nasal catarrh, stomach and bowel troubles among the most common diseases due to catarrhal conditions.

A very dependable remedy after protracted sickness, the grip or Spanish Flu.

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Life is a burden when the body is racked with pain. Everything worries and the victim becomes despondent and downhearted. To bring back the sunshine take

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The National Remedy of Holland for over 200 years; it is an enemy of all pains resulting from kidney, liver and uric acid troubles. All druggists, three sizes.

Look for the name Gold Medal on every box and accept no imitation

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Cause for Apprehension.

"You must have been right smartly agitated tuther night when the White Caps came and drag your brother-in-law out to whip him?" Inquiringly said a neighbor.

"You bet your life, I was!" replied Gap Johnson of Rumpus Ridge. "I 'lowed for a spell it was somebody trying to steal my dogs."—Kansas City Star.

Present Strength of Army.

The total strength of the army within the continental limits of the United States at the present time is 97,000, of whom some 72,000 are army nurses, field clerks, cadets or members of special services, such as the quartermaster corps, medical corps and finance department.

Children's handkerchiefs often look hopeless when they come to the laundry. Wash with good soap, rinse in water blue with Red Cross Ball Blue.—Advertisement.

It is a good horse that never stumbles, and a good man that never grumbles.

Don't be content with following good advice; catch up with it.

Get Back Your Health!

Are you dragging around day after day with a dull backache? Are you tired and lame mornings—subject to headaches, dizzy spells and sharp, stabbing pains? Then there's surely something wrong. Probably it's kidney weakness! Don't wait for more serious kidney trouble. Get back your health and keep it. For quick relief get plenty of sleep and exercise and use Doan's Kidney Pills. They have helped thousands. Ask your neighbor!

A Missouri Case

J. R. Baker, farmer, 203 Lincoln Ave., Liberty, Mo., says: "A sharp, piercing pain caught me in the small of my back and bothered me especially when I bent. My back became lame and sore and everything seemed to go round. My kidneys acted irregularly at times. A friend advised me to try Doan's Kidney Pills. One box of Doan's gave me great relief."

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It also kills mice, gophers, prairie dogs, coonotes, wolves, cockroaches, water bugs and ants. A 50c box contains enough to kill 50 to 100 rats or mice. Get it from your drug or general store dealer today.

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